



PTO/SB/21 (08-03)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

(Not Including Cited Reference(s))  
Total Number of Pages in This Submission

4

Application Number	10/710,946
Filing Date	8/13/2004
First Named Inventor	CHISTYAKOV
Art Unit	1753
Examiner Name	Not Yet Assigned
Attorney Docket Number	ZON-015

**ENCLOSURES (Check all that apply)**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Response to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication<br>to Group<br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please<br>Identify below):<br>PTO Form 1449 (1 pg.); Copies of<br>References Cited (C1-C10); and Return<br>Receipt Postcard. |
|---|--|---|

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Kurt Rauschenbach
Signature	
Date	November 18, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Kurt Rauschenbach		
Signature		Date	November 18, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT  
Attorney Docket No. ZON-015

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Roman Chistyakov  
SERIAL NO.: 10/710,946 GROUP NO.: 1753  
FILING DATE: August 13, 2004 EXAMINER: Not Yet Assigned  
TITLE: PLASMA SOURCE WITH SEGMENTED MAGNETRON CATHODE

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. §1.97, Applicants hereby make of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the references are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three months of the Filing Date of a national application other than a continued prosecution application under § 1.53(d); or within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under § 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a Final Action or Notice of Allowance, and
- ☐ the Statement required under § 1.97(e) below , OR
- ☐ the fee set forth in § 1.17(p), namely \$180.00, is included herein, or
- ☐ (3) after the mailing date of a Final Action or Notice of Allowance but before the payment of the Issue Fee, AND
- ☐ the Statement required under § 1.97(e) below; and
- ☐ the fee set forth in § 1.17, namely \$130.00 is included herein.

It is respectfully requested that each of the references shown on the attached Form PTO-1449 be made of record in this application.

### STATEMENT

As required under §1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

- ☐ 1. That each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
- ☐ 2. That no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

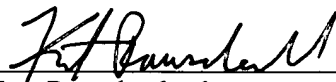
### FEE AUTHORIZATION

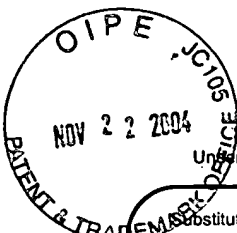
Should any fee associated with the submission of this paper not be attached hereto as a check, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 501211. Any overpayments should be credited to said Deposit Account.

Date: November 18, 2004  
Reg. No. 40,137

Tel. No.: (781) 271-1503  
Fax No.: (781) 271-1527

Respectfully submitted,

  
Kurt Rauschenbach  
Atty/Agent for Applicant(s)  
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Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Application Number	10/710,946
Filing Date	8/13/2004
First Named Inventor	Roman Chistyakov
Art Unit	1753
Examiner Name	Not Yet Assigned
Attorney Docket Number	ZON-015

Sheet 1 of 1

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	CHISTYAKOV, Roman, High-Power Pulsed Magnetron Sputtering, Application No. 10/065,277, filed: September 30, 2002.	
	C2	CHISTYAKOV, Roman, Methods And Apparatus For Generating High-Density Plasma, Application No. 10/065,629, filed: November 4, 2002.	
	C3	CHISTYAKOV, Roman, High Deposition Rate Sputtering, Application No. 10/065,739, filed: November 14, 2002.	
	C4	CHISTYAKOV, Roman, High-Power Pulsed Magnetically Enhanced Plasma Processing, Application No. 10/065,551, filed: October 29, 2002.	
	C5	CHISTYAKOV, Roman, High Density Plasma Source, Application No. 10/249,595, filed: April 22, 2003.	
	C6	CHISTYAKOV, Roman, High-Density Plasma Source Using Excited Atoms, Application No. 10/249,844, filed: May 12, 2003.	
	C7	CHISTYAKOV, Roman, Generation of Uniformly-Distributed Plasma, Application No. 10/249,773; filed: May 6, 2003.	
	C8	CHISTYAKOV, Roman, Plasma Generation Using Multi-Step Ionization, Application No. 10/249,202, filed: March 21, 2003.	
	C9	CHISTYAKOV, Roman, Plasma Source With Segmented Cathode, Application No. 60/481,671, filed: November 19, 2003.	
	C10	CHISTYAKOV, Roman, Methods And Apparatus For Generating Strongly-Ionized Plasmas With Ionizational Instabilities, Application No. 10/708,281, filed: February 22, 2004.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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